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United States Department of Agriculture

Soil Conservation Service

Salt Lake City Utah



WATER SUPPLY OUTLOOK FOR UTAH

- MAG - 1

in Cooperation with Utah State Department of Natural Resources



TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent of surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1,900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	<u>ADDRESS</u>
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchroage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mexico)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4418 Federal Bldg., 125 South State St., Salt Lake City, Utah 84147
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 -- for British Columbia by the Ministry of the Environment, Water Inventigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 -- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 -- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.

WATER SUPPLY OUTLOOK FOR UTAH

FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS

issued by

PETER C. MYERS

CHIEF
SOIL CONSERVATION SERVICE
WASHINGTION, D.C.

Released by

FRANCIS T. HOLT

STATE CONSERVATIONIST SOIL CONSERVATION SERVICE SALT LAKE CITY, UTAH

In Cooperation with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES

DEE C. HANSEN

State Engineer

Division of Water Rights

Division of Water Resources

Report prepared by Snow Survey Staff

BOB L. WHALEY, Supervisor

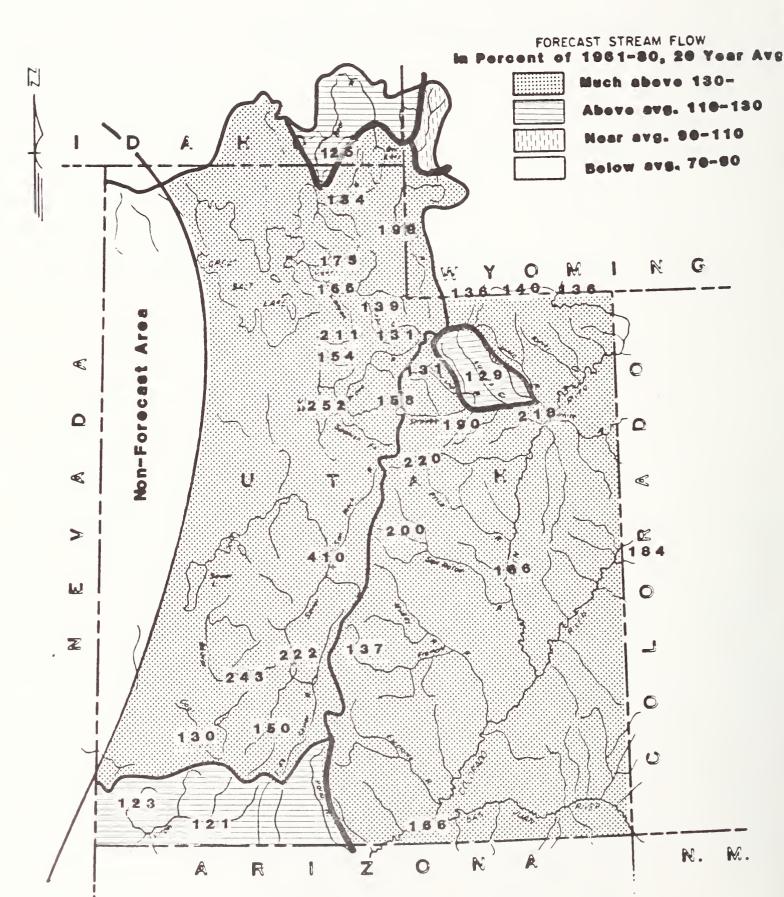
Soil Conservation Service 125 So. State, Fed. Bldg. P.O. Box 11350 Salt Lake City, Utah 84147

PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

February 1, 1984





As of February 1, 1984

SNOW COVER

Snow measurements taken the last week of January show only 20 to 50% of the average monthly increase and now range from 37% of average in the south western corner of the state to 192% on the San Rafael and 201% on Beaver River. Basin snow water content percentages are as follows: Bear 141%, Ogden 145%, Weber 154%, Provo-Utah Lake 143%, Jordan-Salt Lake front 152%, Strawberry 149%, Duchesne 131%, Ashley 121%, Price 159%, Muddy 167%, Fremont 170%, Lower Sevier 176%, Upper Sevier 118%, Coal Creek 90%, Virgin 87%, Blue Mountains 86% and LaSal Mountains 134% of the February 1 average. Most areas of the state received less than half the normal January increase in snow water content and a few areas actually showed a little less than on January 1st.

PRECIPITATION

Precipitation at mountain stations generally ranged from 20 to 50% of average.

SOIL MOISTURE

Watershed soils are generally wetter than average and wetter than last year except on the head of the Sevier and Virgin Rivers.

RESERVOIR STORAGE

Reservoir storage in 28 key irrigation reservoirs is now 141% of the February 1 average and 63% of useable capacity. Many reservoirs have been releasing water to provide space for spring runoff and reduce peak flows below reservoirs.

WATER SUPPLY OUTLOOK (continued)

STREAMFLOW FORECASTS

Streamflow forecasts dropped after a very dry January and now range from 121% on the Virgin to 538% on the Lower Sevier (Sigurd to Gunnison).

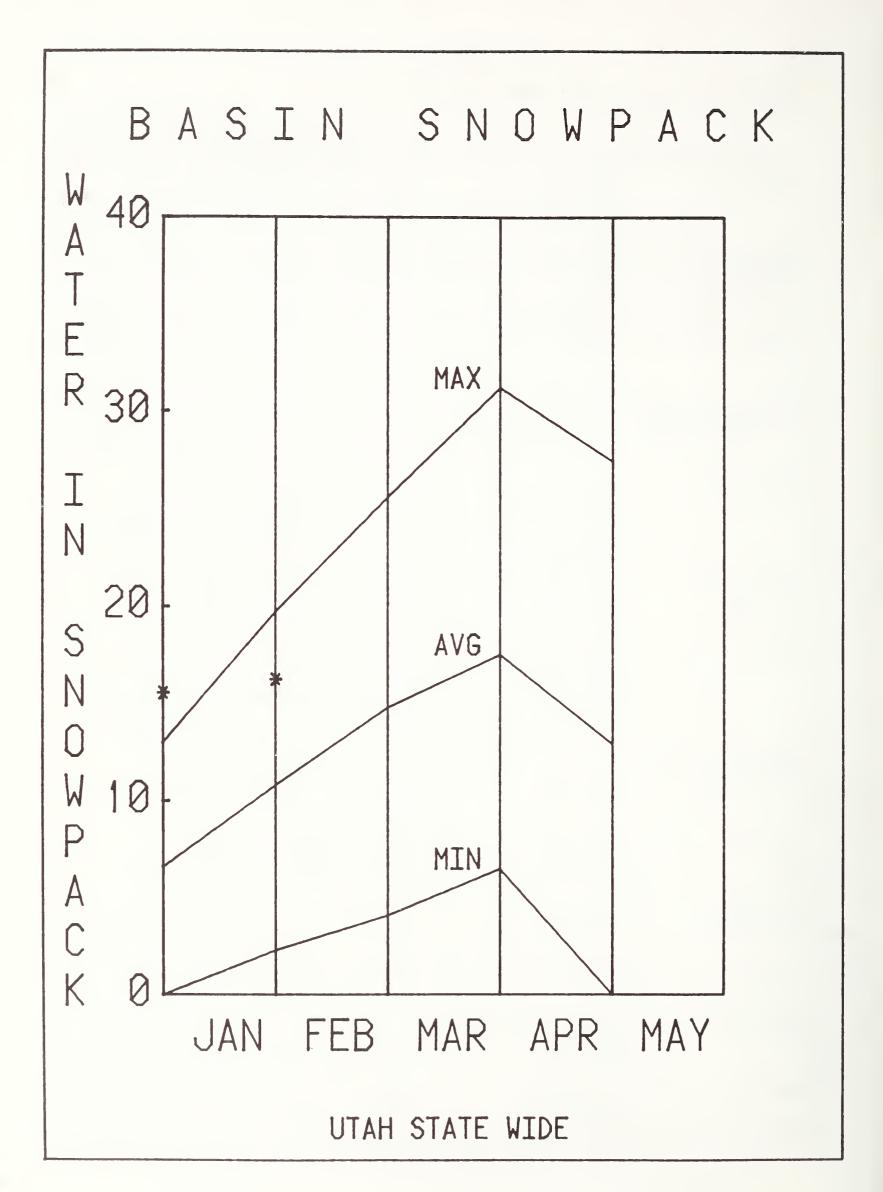
Forecasts by basin are as follows: Bear - 108% for Smith's Fork to 245% for Big Creek; Ogden - 172% for South Fork to 175% for Pineview Inflow; Weber - 131% at Oakley to 220% for East Canyon; Provo-Utah Lake - 160% for Provo at Hailstone to 252% for Utah Lake Inflow; Duchesne - 117% for Rock Creek to 218% for Duchesne at Myton; Price-San Rafael - 156% for Mill Creek to 229% for Price at Heiner; Sevier - 150% at Hatch to 538 for the Sigurd to Gunnison; Beaver 240% for North Creeks to 404% for Minersville Inflow; South Western Utah - 121% Virgin at Hurricane to 166% for Lake Powell Inflow. Coal Creek is foirecast 130% of the April-July average.

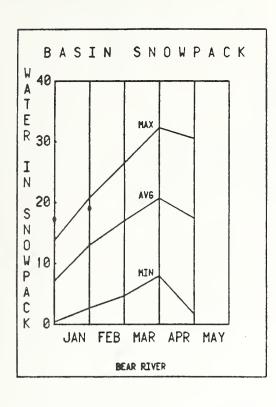
Peak flows this year are expected to range from near average on the Virgin to about twice average on the Beaver, San Rafael and Big Creek in northern Utah. Precautions should be taken to protect property along stream channels, around Utah Lake, and the Great Salt Lake again this year.

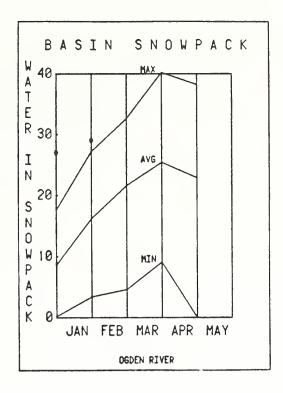
	RESERVOIR	Usable		Usable Storage	
Basin or Stream	RESERVOIR	Capacity	This Year	Last Year	Average
GREAT BASIN					
Bear River	Bear Lake	1421.0	1109.9	1140.6	970.6
	Woodruff Narrows	55.8	52.6	33.3	
	Woodruff Creek	4.0	4.0	2.9	
	Moodiuii oreek	7.0	7.0	2.5	
Beaver River	Minersville (RkyFd)	26.0	20.6	22.2	11.2
Little Bear	Hyrum	15.3	10.3	10.3	10.3
	Porcupine	11.3	5.2	4.7	2.9b
Ogden	Causey	6.9	0.8	1.1	2.2b
oguen	Pineview	110.1	22.3	76.9	49.6b
	FILLEVIEW	110.1	22.5	70.9	49.0
Provo	Deer Creek	149.7	124.5	111.6	94.3
Settlement Creek	Settlement Creek	1.2	0.5	1.0	0.7b
Jeterement of eek	1	0.6		0.5	0.5b
	Vernon Creek	0.0		0.5	0.55
Sevier River	Gunnison	18.2	13.0	17.0	11.7b
	Otter Creek	52.5	50.2	49.4	27.5
	Piute	71.8	68.3	60.4	36.9
		1		1	į.
	Sevier Bridge	236.0	210.1	222.0	101.1
	Panguitch Lake	22.3	20.3		
Spanish Fork	Strawberry	270.0	270.0	247.0	139.7
Utah Lake	Utah Lake	883.9	1246.6	1047.6	648.6
o dan Lake	o can Lake	000.5	1240.0	1047.0	040.0
Weber	East Canyon	48.1	20.1	40.7	34.7b
	Echo	73.9	14.5	51.4	45.8
	Lost Creek	20.0	5.8	15.0	13.1b
	1		1		
	Rockport	60.9	31.0	50.8	31.9
	Willard Bay	193.3	130.4	128.5	138.9 ^b
COLORADO R. BASIN				page account	
Ashley Creek	Steinaker	33.3	23.9	32.3	19.7b
Asirey Creek	Red Fleet	26.0	18.0	20.8	15.7
	Red Fleet	20.0	10.0	20.0	
Colorado	Blue Mesa	829.5	494.6	538.2	
	Lake Powell	25002.0	22013.0	22408.0	
Green	Flaming Gorge	3749.0	3309.8	3214.8	
Lakefork	Moon Lake	35.8		30.3	15.4
Price River	Scofield	65.8	48.3	52.9	31.3
Ca.a. 1	1.1	1606.0	1461 0	1 4 0 1 0	
San Juan	Navajo	1696.0	1461.8	1401.0	
	Ken's Lake	2.3	1.7	0.8	
San Rafael	Huntington North	3.9	2.8	3.7	2.3b
Jan Narae!					
	Joe's Valley	54.6	41.2	47.3	43.6 ^b
	Mill Site	16.7	12.5	12.8	3.5b
Strawberry	Starvation	165.3	92.7	128.6	113.0 ^b
o or amberry	Soldier Creek		1		113.05
Hintah	1	951.4	0.0	11 1	10.2b
<u> Uintah</u>	Bottle Hollow	11.3	11.1	11.1	10.20

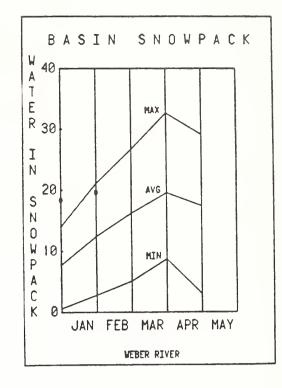
b Average of past record in average period - less than 20 years + 1961-80 20 year average period

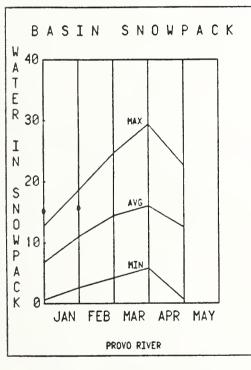
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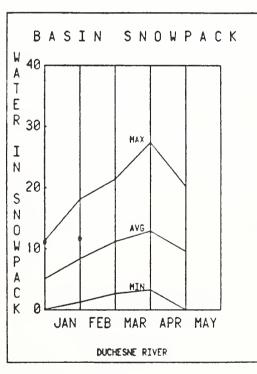


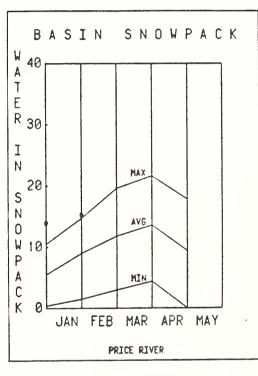


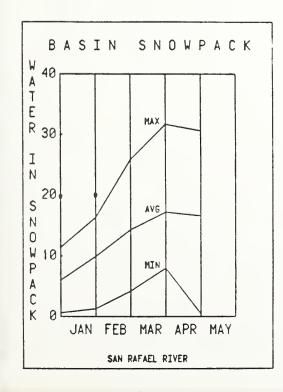


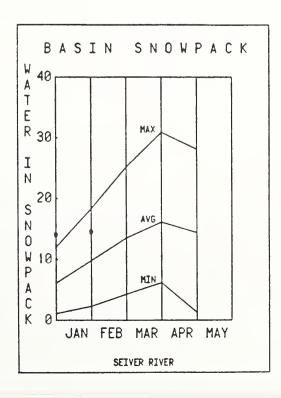


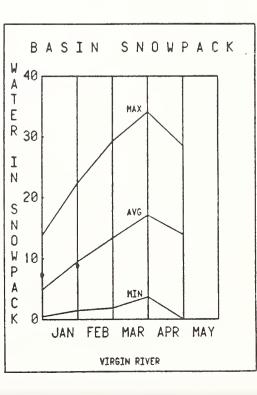








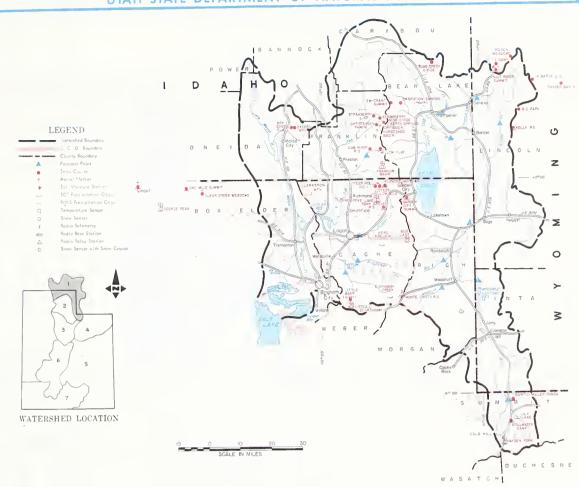






BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1984

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER percentages dropped after a dry January and now range from 124% on the Upper Bear to 146% on Lower Bear. Logan River is 143% of the February 1 average and 172% of last year at this time.

PRECIPITATION at mountain stations was less than half normal at all stations.

SOIL MOISTURE is well above average.

RESERVOIR STORAGE is still above average and some reservoirs have been releasing water to make space for spring runoff.

STREAMFLOW FORECASTS dropped 17 to 80% after a very dry month and now range from 108% of average on Smith's Fork to 245% on Big Creek. Bear River is forecast 146% at Utah-Wyoming line, 199% at Woodruff, 203% at Randolph and 145% at Harer, Idaho after big drops on Smith's and Thomas Forks (115%). Woodruff Creek is forecast 156%, Cub River 125%, Logan River 134%, Blacksmith Fork 163% and Little Bear 158% of average.

Peak flows are expected to range from 125% of average on Logan River to 260% of average on Big Creek.

BEAR RIVER BASIN IN UTAH

TREAMFLOW FORECASTS		THIS YEAR	8	PAST	RECORD	SUMMARY OF SHOW MEASUREMENTS (COMPARISON WITH	PREVIOUS YEARSI		
BASHI, STREAM and/or FORECAST POINT	P ORE Thousand Acro Feet	Parcent of	PORECAST	THOUSAND		RIVER BASIN and or SUB-MATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
	Acro Feet	V-mele	PERIOD	200.110			1		Autres
BEAR RIVER						BEAR RIVER	20	173	141
Bear nr UT-Wyo. State Line Bear nr Woodruff 1/	161 277		Apr-July Apr-July		110 139	UPPER BEAR RIVER	6	171	124
Woodruff Crk nr Woodruff, UT Big Creek nr Randolph, UT	27 13.0	156	Apr-July Apr-July	30	17.3b 5.3b	LOWER BEAR RIVER	14	173	146
Bear nr Randolph 1/ Thomas Fork nr ID-WY State Ln Smith's Fork nr Border, WY Bear at Harer, Idaho 1/	223	203 115 108 145	Apr-July Apr-Sept Apr-Sept Apr-Sept Apr-July	294 688	110 35 119 310 116	LOGAN RIVER	7	172	143
Blacksmith Fork nr Hyrum Little Bear nr Paradise Cub River nr Preston, ID	83 60 58	163 158	Apr-July Apr-June Apr-July	87 [°] 80	51 38 47	1 - Observed flow corrected for 2 - Inflow record as computed to 3 - Provisional flows - Subject a - Partly estimated b - Average of all past record e - Maximum mean daily peak flow + - 1961-80 20 year Average Pet * - Forecast in cooperation wi	y U. S. t to Corr - less t w riod	Bureau of Re ection han 20 years	clamation

PEAK FLOWS C

Logan River nr Logan Little Bear nr Paradise

RESERVOR STORAGE (Thousand Acro Foot)

		Umble	V	SEABLE STORA	Gŧ
BASIN OR STREAM	RESERVOIR	Useful o Capacity	This Year	Lest Year	Avwage
BEAR RIVER	Bear Lake Woodruff Narrows	1421.0 55.8	1109.9 52.6	1140.6 33.3	970.6
LITTLE BEAR	Woodruff Creek Hyrum	4.0 15.3	10.3	2.9	10.3
	Porcupine	11.3	5.2	4.7	2.91

	PEAK FLOW (SECO	PEAK FLOW (SECOND FEET)					
FORECAST POINT	Perecent Range	Average +					
	,						
Bear nr. UtWyo. Stateline	2040-2420	1506					
Woodruff Creek nr Woodruff Big Creek nr Randolph	410-550 80-160	253 48b					

SHOW		THIS YEAR		PAST F	NECDAD	SNOW		THIS YEAR		PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE	Date	Snew Death				DRAINAGE BASIN and/ar SHOW COURSE	Dara Snew Dough		Wester Content	Water Centent (Inches)	
наме	of Survey	(Inches)	(Inches)	Lost Year	Averege †	NAME	of Survey	(Inches)	(Inches)	Lost Year	Average †
Burts-Miller Ranch Cub River R.S. Emigrant Summit Franklin Basin Hayden Fork Klondike Narrows	1/30 1/27 2/1 1/27 1/30 1/27	20 40 65 ^a 62 42 57	6.0 11.7 24.0a 22.9 11.3 19.5	2.4 5.5 16.2 13.0 7.8 10.9	4.3 ^a 6.5 17.0 16.6 ^a 10.4 ^a 13.4	Little Bear Lower Little Bear Upper Monte Cristo Salt River Summit Stillwater Camp Tony Grove R.S.	1/29 1/29 1/28 1/30 1/30 1/27	26 44 66 42 32 49	7.4 15.7 24.9 11.4 9.1 15.8	7.0 8.0 12.6 7.8 5.0 6.9	7.4 ^a 8.4 ^a 16.2 11.3 ^a 7.4 ^a 8.8

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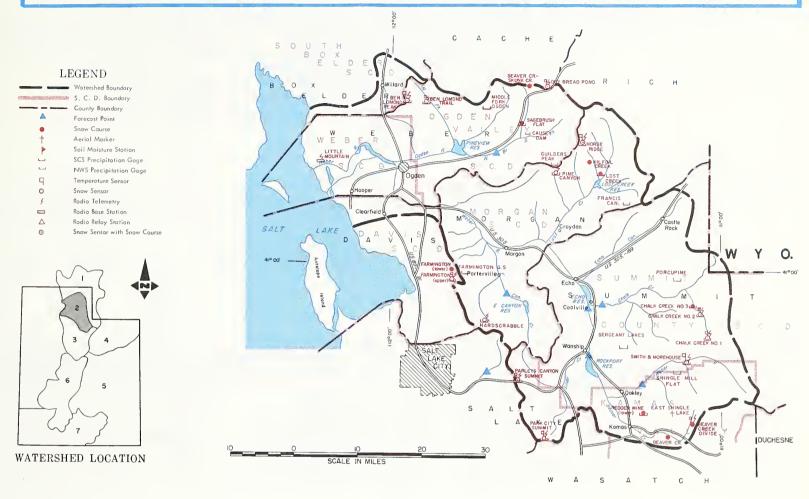
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WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1984

THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER ranges from 145% of the February 1 average on the Ogden Basin to 154% on the Weber after a very dry month.

PRECIPITATION at mountain stations has ranged from only 20 to 50% of average for January.

SOIL MOISTURE is well above average and wetter than last year at this time.

RESERVOIR STORAGE as of February 1st is below average after water was released to make room for spring runoff. Ogden River storage is now 44% of average and 20% of capacity. Weber River storage is now 76% of average and 51% of capacity.

STREAMFLOW FORECASTS dropped 12 to 35% after a very dry January and now range from 131% of the April-June average for the Weber near Oakley to 220% for East Canyon Creek. South Fork Ogden is forecast 172% of average and Pineview Inflow 175% of the April-June average. Weber River forecasts are as follows: Rockport Inflow 138%, Coalville 139%, Chalk Creek 167%, Echo Inflow 152%, and Gateway 166% of average. Lost Creek is forecast 212%, Hardscrabble 160% and Farmington Creek 182%.

Peak flows are expected to range from 127% of average at Oakley to 168% for Chalk Creek assuming a normal melt sequence.

WEBER-OGDEN WATERSHEDS IN UTAH

STREAMFLOW FORECASTS		THIS YEA	*	PAST	RECORD	SUMMARY OF SHOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)				
		CAST	PORECAST	THOUSAND A		RIVER BASIN and at SUB-MATERSHED	Number of Courses Averaged	THIS YEAR AS	A PERCENT OF	
BASHI, STREAM mid/or PORECAST POINT	Thousand Acre Feet	Average	PERIOD	Leet Year 3	Average *		Averaged	Less Year	Aviroge	
EBER-OGDEN RIVERS						OGDEN RIVER	5	143	145	
Weber nr Oakley	134	131	Apr-June	144	102	WEBER RIVER	12	168	154	
Rockport Reservoir Inflow 1/	153	138	Apr-June	164	111					
Chalk Creek at Coalville	60	167	Apr-June	67	36					
Weber nr Coalville 1/	166	139	Apr-June	187	119				1	
Lost Creek nr Croydon, UT 1/	33		Apr-June	37	15.6ª					
East Canyon Creek nr Morgan 1/	55		Apr-June	53	25					
Hardscrabble Crk nr Portervill	29		Apr-June		18.4ª					
S. Fork Ogden nr Huntsville1/	98		Apr-June	96	57a	1 - Observed flow corrected fo				
Pineview Reservoir Inflow 17	201		Apr-June	207	115ª	2 - Inflow record as computed			eclamation	
Echo Reservoir Inflow 2/	220		Apr-June	227	145	3 - Provisional flows - Subjec	t to Cori	ection		
Weber at Gateway 1/	499	166	Apr-June	574	300	a - Partly estimated		1.		
						b - Average of all past record		than 20 year	†	
ORDAN RIVER & SALT LAKE					o oh	e - Maximum mean daily peak fl				
Farmington Crk nr Farmington	14.9	182	Apr-July		8.2b				1 .	
				1		* - Forecast in cooperation wi	th Natio	nal Weather	service	
		1								
SERVOIR STORAGE (Thousand Acre Feet)						PEAK FLOWS ^e				
						\ 		DEAN ELOW (S	SCOND BEET	

			V	SEABLE STORA	l G E
BASIN OE STEEAM	RESERVOIR	Usable Capacity	This Year	Last You	Average
OGDEN	Causey Pineview	6.9	0.8	1.1 76.9	2.2b 49.6b
WEBER	East Canyon Echo Lost Creek Rockport Willard Bay	48.1 73.9 20.0 60.9 193.3	20.1 14.5 5.8 31.0 130.4	40.7 51.4 15.0 50.8 128.5	34.7b 45.8 13.1b 31.9 138.9b

	PEAK FLOW (SECOND	PEET)
PORECAST POINT	Ferecast Range	Average †
South Fork Ogden nr Huntsville Chalk Creek nr Coalville Weber nr Oakley	1120-1400 690-1030 1720-2180	763 510 1540

SNOW		THIS YEAR		PAST R	ECORD	SNOW		THIS YEAR		PAST R	ECORD
DRAINAGE BASIN and/or SHOW COURSE	Date	Snew Depth	Woter Centent	Water Cent	ent (inches)	ORAINAGE BASIN and/or SNOW COURSE	Dese	Snow Depth	Weter Cantont	Wester Conta	mt (Inches)
HAME	of Survey	(Inchas)	(Inches)	Lest Year	Average †	HAME	of Survey	(Inches)	(Inchee)	Lest Year	Average †
Beaver Creek R.S. Beaver Creek-Skunk Creek Ben Lomond Peak Ben Lomond Trail Chalk Creek #1 Chalk Creek #2 Chalk Creek #3 Dry Bread Pond	1/31 1/28 1/29 2/3 1/30 1/30 1/30	29 38 108 74 55 39 26 53	8.6 14.0 43.3 26.4 18.1 11.8 7.8 19.0	5.4 7.5 25.5 13.4 13.6 8.7 4.6 10.0	6.0 8.5 23.5b 10.5a 15.2 9.5 5.4 12.3	Horse Ridge Lost Creek Reservoir Monte Cristo Parleys Canyon Summit Sagebrush Flat Smith & Morehouse Trial Lake	1/26 1/26 1/28 1/27 1/28 1/30 1/31	65 28 66 62 32 39 56	21.8 7.9 24.9 20.4 9.1 12.5 19.9	11.4 3.0 12.6 10.8 3.4 8.5 14.8	15.2ª 4.5ª 16.2 12.3 4.1 8.8 15.9

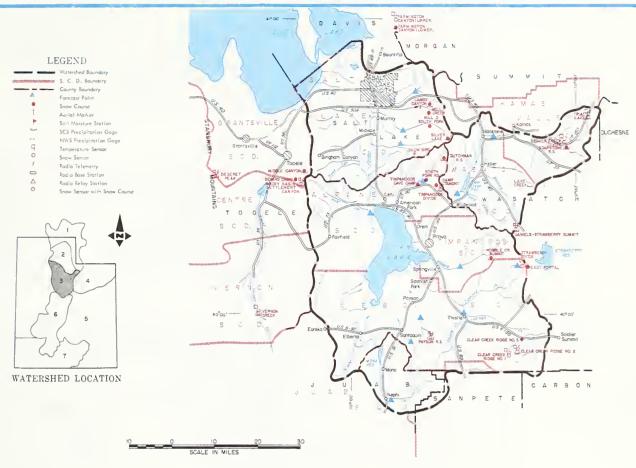
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UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1984

THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER dropped significantly after a dry month but still ranges from 143% of the February 1 average on the Provo-Utah Lake Watershed to 152% along the Jordan River Salt Lake front.

PRECIPITATION at mountain stations was only 20 to 30% of the January average.

SOIL MOISTURE is above average and wetter than last year.

RESERVOIR STORAGE is above average with most reservoirs releasing water to make space for spring runoff.

STREAMFLOW FORECASTS dropped as much as 33% after a very dry January but still range from 145% of average for Little Cottonwood to 252% for the Inflow to Utah Lake. The Provo River is forecast 160% at Hailstone and 217% below Deer Creek Dam. Payson Creek is forecast 185%, Spanish Fork 225%, Hobble Creek 237%, American Fork 171%, and the Inflow to Strawberry Reservoir 158%. Big Cottonwood is forecast 154%, Mill Creek 192%, Parleys 211%, Emigration 230%, and City Creek 167% of the April-July average. Settlement Creek is forecast 187%, South Willow 154% and Vernon 183% of average.

Peak flows are expected to be about 1 1/2 to 2 times average. Steps should be taken to protect property along waterways again this year.

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD					
BASIN, STREAM and/or PORECAST POINT	Thousand Agre Feet	Percent of Average	PORECAST PERIOD	Lest Year 3		RIVER BASIN and or SUB-WATERSHED	Number of Courtes Averaged	THIS YEAR AS	A PERCENT OF
PROVO RIVER AND UTAH LAKE						PROVO RIVER & UTAH LAKE	10	151	143
Provo nr Hailstone 1/	170	160	Apr-July		106				
Provo below Deer Creek Dam1/	260	217	Apr-July		118	JORDON RIVER & SALT LAKE	5	145	152
American Fork nr American Fk.		171	Apr-July		31				
Hobble Creek nr Springville	41	237	Apr-July		18.7b		İ		
Strawberry Reservoir Inflow1/		158	Apr-July		53				
Spanish Fork at Thistle	90	225	Apr-July		40			1	
Payson Creek nr Payson	11.5		Apr-July		6.2				
Utah Lake Inflow	600	252	Apr-July		238		l		
JORDON RIVER & SALT LAKE				'					
Little Cottonwood Crk nr SLC	55	145	Apr-July		38			į .	
Big Cottonwood nr SLC	57	154	Apr-July		37		1		
Parley's Creek nr SLC	31	211	Apr-July		14.8	1 - Observed flow corrected for			d diversio
Mill Creek nr SLC		192	Apr-July		5.8	3 - Provisional flows - subject	to corre	ction	
Emigration Creek nr SLC		230	Apr-July			a - Partly estimated			
City Creek nr SLC	13.0	167	Apr-July	21.6	7.7	b - Average of past record - le		10 years	
TOOELE VALLEY						+ - 1961-80 20 year average per			
Settlement Crk nr Tooele	1	187	Apr-July		2.3b	e - Maximum mean daily peak flo			
S. Willow Crk nr Grantsville		154	Apr-July		3.0b	* - Forecast in cooperation wit	n Nationa	ણા Weather So	rvice
Vernon Creek nr Vernon	2.0	183	Feb-June	5.73	1.1				

				SEABLE STORA	GE			
BASIN OR STREAM	RESERVOIR	Capacity	This Year	Last Year	Average†	FORECAST POINT		
SPANISH FORK	Strawberry	270.0	270.0	247.0	139.7	Big Cottonwood nr Salt Lake City Little Cottonwood nr Salt Lake City		
UTAH LAKE	Utah Lake Settlement Creek Vernon Creek	883.9 1.2 0.6	1246.6	1047.6 1.0 0.5	648.6 0.7 ^b 0.5 ^b	Provo Near Hailstone Spanish Fork nr Thistle American Fork nr American Fork Mill Creek nr Salt Lake City		
PROVO	Deer Creek	149.7	124.5	111.6	94.3	Parley's Creek nr Salt Lake City City Creek nr Salt Lake City Emigration Creek nr. Salt Lake Cit		

PERK FEUWS		
	PEAK FLOW (SEC	NO FEET)
FORECAST POINT	Farecest Range	Average +
Big Cottonwood nr Salt Lake City	500-600	442
Little Cottonwood nr Salt Lake City	600-700	384
Provo Near Hailstone	2200-2500	2128
Spanish Fork nr Thistle	900-1100	451 ^b
American Fork nr American Fork	500-600	329
Mill Creek nr Salt Lake City	80-90	59
Parley's Creek nr Salt Lake City	250-300	154
City Creek nr Salt Lake City	100-120	75
Emigration Creek nr. Salt Lake City	90-120	

DW	<i>C</i>	THIS YEAR		PAST	RECORD	SNOW			THIS TEAR		PAST R	ECORD
DRAINAGE BASIN and/or SNOW COURSE	Date	Snew Depth	Water Centent	Water Cent	ent (inches)		DRAINAGE BASIN and/or SNOW COURSE	Dese	Snow Depth	Water Cantent	Water Cente	int (Inches)
NAME	el Survey	(Inches)	(Inches)	Last Toor	Average †		NAME	of Survey	(inches)	(Inches)	Last Year	Average
- • •						W/11 D	Caudh Faul	1 /20	57	20.2	12.6	12.7
evans Cabin			Schedule	1			South Fork	1/30				
lear Creek #1	1/31	50	18.7	12.0	12.4ª		's Canyon Summit	1/27	62	20.4	10.8	12.3
lear Creek #2	1/31	40	14.9	9.7	9.6b	Payson	R.S.	1/26	57	20.6	13.7	12.0
lear Creek #3	1/31	29	9.0	6.0	5.5b	Rocky	Basin-Settlement Cany	on	Not Sc	heduled		
aniels-Strawberry Summit	1/26	42	14.9	10.8	10.1	Silver	Lake Brighton	1/30	67	24.9	16.8	15.6
eseret Peak	-,-	Not	Schedule	d		Soapst	one R.S.	1/31	39	10.5	6.2	8.6
obble Creek Summit	1/26	49	17.9	9.2	9.8a	South	Fork R.S.	1/30	35	10.6	8.7	4.8
ambs Canyon #2	1/27	54	18.1	10.2	10.7ª	Timpan	ogos Divide	1/30	49	16.8	20.7	16.9
iddle Canyon		Not	Schedule	d		Trial		1/31	56	19.9	14.8	15.9
f11 Creek	1/26	60	18.9	11.2	15.0ª	Vernon	Creek		Not Sc	neduled		

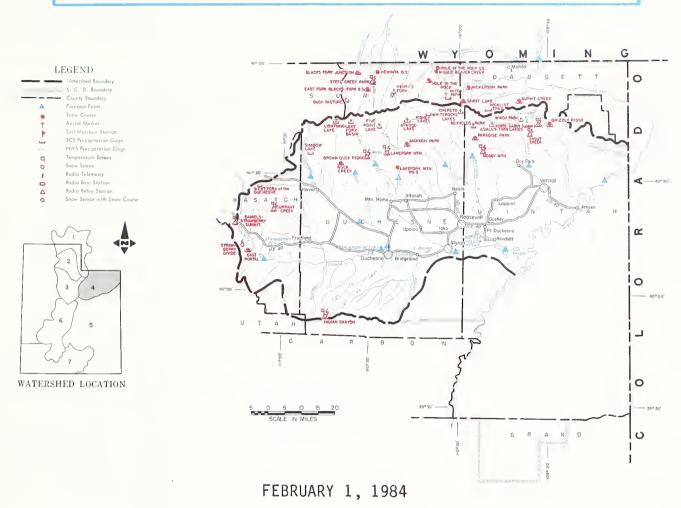
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UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER percentages dropped significantly after a very dry January and now ranges from 115% of average on Sheep Creek to 149% on Strawberry River. Ashley Creek snow cover is 121%, Black's Fork 146%, Uintah-Whiterocks 119%, and Lakefork-Yellowstone 121% of the February 1 average.

PRECIPITATION at mountain stations was only 20 to 40% of average during January.

SOIL MOISTURE is above average and wetter than last year.

RESERVOIR STORAGE is near average with some reservoirs releasing water to make space for spring runoff.

STREAMFLOW FORECASTS dropped as much as 66% after a very dry January and now range from 117% for Rock Creek to 218% for the Duchesne at Myton. The Duchesne is forecast 130% at Tabiona, 131% for West Fork, 126% at Duchesne, and 207% at Randlett. Strawberry River is forecast 190%, Currant Creek 165%, Lakefork 129%, Yellowstone 120%, Uintah 136%, Whiterocks 145%, Ashley Creek 127%, Black's Fork 136% and Henry's Fork 140%.

Peak flows this season are expected to range from near average on Ashley Creek to about twice average on Strawberry River assuming normal melt conditions.

STREAMFLOW FORECASTS		THIS YEA		PAST I	RECORD	SUMMARY OF SHOW MEASUREMENTS (COMPARISON WITH F	PREVIOUS YEARSI		
		CAST	PORECAST	THOUSAND A		RIVER BASIN and or SUB-WATERSHED	Mumber of Courses	THIS YEAR AS	A PERCENT OF
BASIN, STREAM and/or PORECAST POINT	Thousand Acre Peer	Parcent of Average	PERIOD	Lest Year 3	Average †		Averaged	Last Year	Average
							-		
DUCHESNE RIVER						DUCHESNE RIVER - TOTAL	12	109	131
Duchesne nr Tabiona 1/	137	130	Apr-July	141	105	LAKEFORK-YELLOWSTONE CREEKS	4	92	121
Duchesne at Duchesne 1/	238	126	Apr-July	290	189	STRAWBERRY RIVER	4	151	149
Strawberry at Duchesne	110	190	Apr-July	185	58	UINTAH - WHITEROCKS RIVERS	3	84	119
Rock Creek nr Mtn. Home	109	117	Apr-July		93	ASHLEY CREEK	3	76	121
Currant Creek nr Fruitland	33	165	Apr-July	54	20	BLACK'S FORK	4	176	146
Lakefork below Moon Lake 1/	90	129	Apr-July		70	SHEEP CREEK	4	95	115
Yellowstone nr Altonah	78	120	Apr-July		65	 			1
Duchesne at Myton 1/	446	218	Apr-July		205]		
Whiterocks nr Whiterock	84	145	Apr-July	97	58		1:		
Uintah nr Neola	117	136	Apr-July	,	86		l'	1	
Duchesne at Randlett 1/	532	207	Apr-July		257		ł		
West Fork Duchesne at Hanna	34	131	Apr-July		26	1 - Observed flow corrected for			
	1		1			2 - Inflow record as computed b	∳ U. S. I	Bureau of Re	tlamation
FLAMING GORGE TO DUCHESNE RIVER						3 - Provisional flows - Subject	to Corre	ection	
Henry's Fork nr Manila	67	140	Apr-Sept		48a	a - Partly estimated			
Black's Fork nr Millburne	122	136	Apr-July	145	90	b - Average of all past record		Han 20 years	
Flaming Gorge Inflow 1/	1700	136	Apr-July		1248	e - Maximum mean daily peak flo			
Ashley Creek nr VernaT	65	127	Apr-July		51	+ - 1961-80 20 year Average Per			
						* - Forecast in cooperation wit	h Nation	al Weather S	rvice

RESERVOIR STORAGE (The	usand Acre Feet)					PEAK FLOWS ^e		
			l v	SEABLE STORA	G E		PEAK PLOW (SECO)	D FEET)
BASIN OR STREAM	RESERVOIR	Usable Capacity	This Year	Lest Year	Average†	PORECAST POINT	Forecast Range	Average +
ASHLEY CREEK	Red Fleet Steinaker	26.0 33.3	18.0 23.9	20.8 32.3		Strawberry at Duchesne Ashley Creek nr Vernal	1160-1570 780-1280	675 966
GREEN RIVER	Flaming Gorge	3749.0	3309.8	3214.8		Rock Creek nr. Mtn. Home	1490-1810	1415
LAKE FORK	Moon Lake	35.8		30.3	15.4			
STRAWBERRY	Starvation	165.3	92.7	128.6	113.0 ^b			
HATMIU	Bottle Hollow	11.3	11.1	11.1	10.2b			

10W		THIS YEAR		PAST R	ECORD	SNOW		THIS YEAR		PAST R	ECOAD
DRAINAGE BASIN and/or SHOW COURSE	Dare	Snow Depth	Water Cantent	Water Centi	ent (Inches)	DRAINAGE BASIN and/or \$1000 COURSE	Date of Survey	Snow Depth	Hocer Centent	Water Canto	ant (inchés)
NAME	of Survey	(Inches)	(Inches)	Lear Year	Average †	NAME	of Survey	(Inches)	(Inches)	Leat Year	Average
Brown Duck Ridge Currant Creek Daniels-Strawberry Hewinta G. S. Hickerson Park Jackson Park Kings Cabin Upper	2/2 1/26 1/26 1/31 2/2 2/2 2/1	53 31 42 33 27 37 32	16.8 9.6 14.9 8.9 7.7 10.2 9.1	16.1 7.7 10.8 4.9 4.9 12.1 9.8	12.9 ^a 7.8a 10.1 6.4 ^a 5.8 ^a 8.6 ^a 6.1 ^a	Lakefork Mountain Mosby Mountain Paradise Park Rock Creek Ranch Spirit Lake Steel Creek Park Strawberry Divide Trout Creek	2/2 2/1 2/1 2/2 1/31 1/31 1/31 2/1	31 27 37 22 32 48 56 28	8.5 7.0 11.1 5.4 9.0 14.6 19.8 7.1	9.3 9.0 12.5 6.3 9.3 10.5 12.2	7.0 6.4 8.8 4.5 ^a 8.1 ^a 9.1 ^a 12.6

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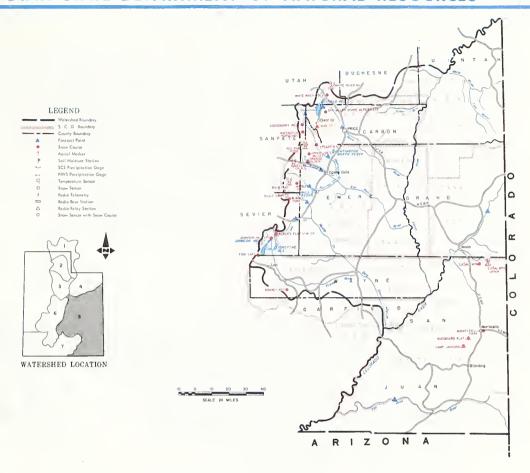


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CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1984

THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER percentages dropped on all basins except LaSal Mountains (134%) after a very dry January. Snow cover now ranges from 86% of average on Blue Mountains to 192% on the San Rafael. Price River is 159%, Muddy 167%, and Fremont 170% of the February 1 average.

PRECIPITATION at mountain stations ranged from only 20 to 50% of average except on LaSal Mountains where it was better than average for January.

SOIL MOISTURE is above average except on the LaSal and Blue Mountains where it is near average.

RESERVOIR STORAGE is near average or above average.

STREAMFLOW FORECASTS dropped on all streams except Mill Creek and now range from 137% for Navajo Inflow to 229% for the Price near Heiner. Scofield Inflow is forecast 220%, Huntington Creek 190%, Cottonwood Creek 200%, Ferron Creek 192%, Muddy Creek 184%, Seven Mile Creek 137%, Green River 166%, Colorado River 184% and San Juan River 154% of the April-July average.

Peak flows are expected to be one and one half to twice average this year. Precautions should be taken to protect property along stream channels.

STREAMFLOW FORECASTS		THIS YEA	A	PAST	RECORD	SUMMARY OF SHOW MEASUREMENTS (COMPARISON WITH	PREVIOUS YEARSI		
BASHI, STREAM and/or PORECAST POINT	PORE Thousand Acro Foot	Parcent of Average	PORECAST PERIOD	THOUSAND A		RIVER BASIN and ar SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS	A PERCENT OF
PRICE RIVER						PRICE RIVER	4	107	159
Gooseberry Crk nr Scoffeld	22	206	Apr-July		10.7	1			
Scofield Reservoir Inflow	83		Apr-July		38	SAN RAFAEL RIVER	8	145	192
Price nr Heiner 1/	145		Apr-July		63				
			1			FREMONT RIVER	3	134	170
SAN RAFAEL RIVER	1								
Huntington Crk nr Huntington	93	190	Apr-July		49.	LASAL MOUNTAINS	2	92	134
Cottonwood Crk nr Orangeville	94	200	Apr-July	159	47 ^b				
Ferron Creek nr Ferron	71	192	Apr-July	75	37	BLUE MOUNTAINS	2	76	86
MUDDY CREEK						 MUDDY RIVER	2	133	167
Muddy Creek nr Emery	34	184	Apr-July	44	18.5	I NOOD I KITCH	-	133	107
raday or tex iii zinery		10.	Mp. Guil		1000	HUNTINGTON CREEK	Ι 4	157	183
UPPER COLORADO BASIN						NOW THE TOTAL ONLE EX	1	157	100
Colorado nr Cisco, UT	5620	184	Apr-July	1	046	1 - Observed flow corrected for	change i	n storage an	d diversion
Green at Green River, UT	5000		Apr-July		3016	2 - Inflow record as computed by			
Mill Creek nr Moab	8.6		Apr-July		5.5b	3 - Provisional flows - Subject			
Navajo Reservoir Inflow	1000		Apr-July		684	a - Partly estimated			
San Juan nr Bluff, UT	1530		Apr-July		995	b - Average of all past record -	less th	n 20 years	
		- 1				e - Maximum mean daily peak flow		, , , , , , , , , , , , , , , , , , , ,	
FREMONT RIVER						+ - 1961-80 20 year Average Per			
Seven Mile Crk nr Fish Lake	8.9	137	Apr-July	28	6.5b		Nationa	Weather Se	rvice
SERVOIR STORAGE (Thousand Acre Feet)						PEAK FLOWS e			

COUNTY STURME (IM						LEW LIAM?		
		UseMe		ISEABLE STORA	GE	PDRECAST POINT	PEAK FLOW (SEC	NO FEET)
BASIN OR STREAM	RESERVOIR	Usable Capacity	This Year	Lest Year	Avweget	PORECATIFORM	Forecast Range	Average
PRICE RIVER	Scofield	65.8	48.3	52.9	31.3	Ferron Creek near Ferron Muddy Creek near Emery	730-890 230-360	444 168
SAN RAFAEL	Huntington North Joe's Valley Mill Site	3.9 54.6 16.7	2.8 41.2 12.5	3.7 47.3 12.8	2.3b 43.6b 3.5b	Huntington Cr. near Huntington	700-900	516
SAN JUAN	Navajo Kens Lake	1696.0	1461.8	1401.0				

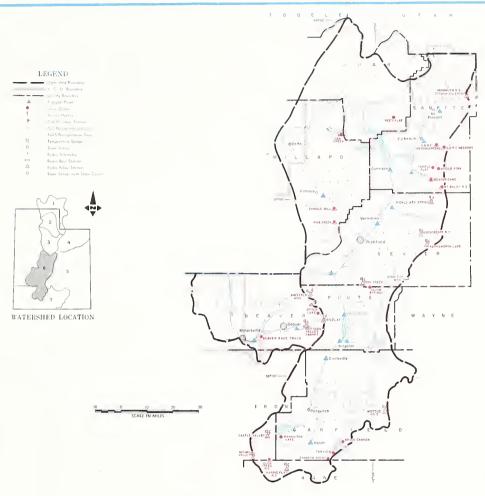
WOW						CNOW					
	<u> </u>	THIS YEAR			RECORD	SNOW		THIS YEAR	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	PAST	RECORD
DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snew Depth (Inches)	Werer Centent	Water Cen	tent (inches)	DRAINAGE BASIN and/or SHOW COURSE	Dote	Snow Depth	Woter Centent	Water Cent	ent (inches)
HAHE		(Inches)	(Inphas)	Last Year	Average †	NAME	of Survey	(inches)	(Inches)	Last Year	Average †
Buck Flat Buckboard Flat Camp Jackson Dills Camp Dry Valley Divide Alternate Huntington-Horseshoe Indian Canyon Lasal Mtn. Upper Mammoth-Cottonwood R.S.	1/30 1/31 1/31 1/29 1/31 1/31 1/30 1/30	53 32 31 39 36 66 34 45 64	19.7 9.1 9.3 13.7 12.8 27.5 9.5 13.4 25.1	15.5 10.9 13.2 10.2 5.5 18.5 10.7 15.1 15.3	10.5 10.2 ^a 11.3 ^a 8.0 ^a 8.4 ^a 15.2 ^a 8.3 10.5 ^a	Monticello City Park Mud Creek Red Pine Ridge Seeley Creek White River #1 White River #3	1/31 1/31 1/30 1/30 1/31 1/31	6 45 54 52 42 31	2.2 15.5 19.6 20.9 15.1 9.7	9.3 13.0 13.3 9.2 5.8	3.8a 9.1 10.6 9.1a 9.0a 7.0a

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SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1984

THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER percentages dropped significantly after a very dry month and now ranges from 110% of average on the South Fork Sevier to 201% on Beaver River. The East Fork is 134% and Lower Sevier 176% of the February 1 average.

PRECIPITATION at mountain stations ranged from only 20 to 50% of the January average.

SOIL MOISTURE is wetter than average on the Lower Sevier but near average on the Upper Sevier.

RESERVOIR STORAGE in above average with most reservoirs releasing water to make space for spring runoff.

STREAMFLOW FORECASTS dropped 10 to 50% after a very dry January and now range from 131% for Oak Creek, to 538% for the Sevier Inflow Sigurd to Gunnison. Sevier River is forecast 150% at Hatch, 188% at Circleville, 221% at Kingston, 212% for East Fork, 222% below Piute, 300% Kingston to Vermillion and 410% near Gunnison. Clear Creek is forecast 175%, Antimony Creek 170%, Salina Creek 214%, Chicken Creek 166%, Ephriam Creek 208%, Pleasant Creek 256%, Salt Creek 178% and Chalk Creek near Fillmore 293%. Beaver River is forecast 243% near Beaver, 240% for North Creeks and 404% for Minersville Inflow. Peak flows are expected to range from one and one half to near three times average again this season. Steps should be taken to protect property along stream channels.

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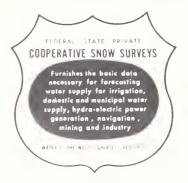
STREAMFLOW FORECASTS	THIS YEAR PAST RECORD SUMMARY OF SHOW MEASUREMENTS (COMPARISON BITH PREVIOUS YEARS)								
BASIN STREAM - ALL STREAM AND ASSAULT	_	CAST	FORECAST	THOUSAND A		RIVER BASIN and or SUB-WATERSHED	Number of Courses	THIS YEAR AS	A PERCENT OF
BASHI, STREAM and/or PORECAST POINT	Thousand Acro Poor	Percent of Average	PERIOD	Less Year 3	Average *		Averaged	Last Ver	Average
SEVIER RIVER						UPPER SEVIER RIVER	10	72	118
Sevier at Hatch	72	150	Apr-July		48	East Fork Sevier	4	89	134
Sevier nr Circleville	72	188	Apr-July		38	South Fork Sevier	6	65	110
Sevier nr Kingston	64	221	Apr-July		28			-	
Antimony Crk nr Antimony	17.5		Apr-July		10.3	LOWER SEVIER	12	130	176
East Fork Sevier nr Kingstonl/	40	212	Apr-July		18.9				i .
Sevier below Piute Dam	100		Apr-July		45	BEAVER RIVER	3	134	201
Clear Crk nr Sevier (abv Div)	33		Apr-July		18.9				
Sigurd to Gunnison	140	538	Apr-July		26				
Kingston to Vermillion Dam	100	300	Apr-June		45				
Vermillion Dam to Gunnison	145		Apr-June		25			!	
Salina Creek at Salina	26		Apr-June		11.9	1 - Observed flow corrected for			
Sevier nr Gunnison	220	410	Apr-July	'	54 .	2 - Inflow record as computed by	∲ U. S. E	ureau of Re	lamation
Chalk Creek nr Fillmore	48	293	Apr-July		16.4 ^b	3 - Provisional flows - Subject	to Corre	ction	
Chicken Creek nr Levan	5.8	166	Apr-July	24	3.5 ^b	a - Partly estimated			
Oak Cr. nr Oak City	2.1	131	Apr-July	4.5	1.6 ^D	b - Average of all past record	less th	an 20 years	
Ephraim Creek nr Ephraim	31	208	Apr-July		14.9	e - Maximum mean daily peak flo			
Pleasant Crk nr Mt. Pleasant	22	256	Apr-July		8.6	+ - 1961-80 20 year Average Per	od		
Salt Creek nr. Nephi	24		Apr-July		13.5	* - Forecast in cooperation wit	Nationa Nation	Weather S	rvice
Beaver nr Beaver	56		Apr-July		23			ł	
North Creek (Combined)	35	240	Apr-July		14.6ª				
Minersyille Inflow (SERVOIR STORAGE (Thousand Acro Foot)	36	404	'Apr-June'		8.9	PEAK FLOWS®	1	1	

						LEWK LEAMS.		
		Unable	Ų	SEABLE STORA	GE		PEAK FLOW (SECO	NO FEET)
BASIN OR STREAM	RESERVOIR	Usable Capacity	This Y	Lost Yes	Average†	PORECAST POINT	Forecast Range	Average
SEVIER RIVER	Gunnison Otter Creek Piute Sevier Bridge Panguitch Lake	18.2 52.5 71.8 236.0 22.3	13.0 50.2 68.3 210.1 20.3	17.0 49.4 60.4 222.0	11.7 ^b 27.5 36.9 101.1	Beaver River nr Beaver Sevier River at Hatch Sevier River nr Kingston Clear Creek nr Sevier Salina Creek nr Salina	550-810 600-800 600-800 350-450 700-900	257 484 312 226 285
BEAVER RIVER	Minersville (Rky Fd)	26.0	20.6	22.2	11.2			

WOW	/	THIS YEAR		PAST	RECORD	SNOW		YHIS YEAR			
DRAINAGE BASIN and/or SHOW COURSE	Date	Snow Depth	Wester Contant		rent (Inches)	DRAINAGE BASIN and/or SMOW COURSE					ECORD ant (Inches)
NAME	of Survey	(Inches)	(Inches)	Last Year	Average †	NAME	Date of Survey	Snow Depth (Inches)	Weese Content (Inches)	Last Year	Average \$
Big Flat Bryce Canyon Castle Valley Duck Creek Farnsworth Lake Gooseberry R.S. Harris Flat Kimberly Mine	1/27 1/31 1/28 1/28 1/29 1/29 1/29 1/27	60 16 36 29 54 37 20 50	21.5 2.7 10.7 6.9 18.1 11.6 4.5 14.6	15.1 6.8 13.9 15.2 13.2 8.0 10.4 10.6	10.6 3.3 6.8a 9.0 11.6 7.4 6.0 10.2b	Long Valley Junction Merchants Valley Upper Midway Valley Oak Creek Otter Lake Pickle Keg Springs Pine Creek Widtsoe-Escalante #3	1/27 1/27 1/28 1/26 1/27 1/30 1/26 1/28	12 44 43 44 48 51 61 32	4.0 14.1 12.8 12.8 16.0 18.1 20.6 7.2	8.7 12.6 23.7 14.4 12.1 13.4 16.2 9.5	4.3 8.0b 13.3 8.4a 8.0 9.8a 9.4a 7.0

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EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1984

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER percentages dropped significantly after a dry month and now range from 37% of average in the Enterprise-New Harmony area to 125% on Parowan Creek. Coal Creek snow cover is now 90% of average, Virgin River 87%, and Escalante River 103% of the February 1 average.

PRECIPITATION at mountain stations ranged from 47% of average at Widtsoe #3 to 80% at Tall Poles on Parowan Creek.

SOIL MOISTURE is wetter than average.

RESERVOIR STORAGE is generally above average.

STREAMFLOW FORECASTS dropped 8 to 22% after a dry January and now range from 121% of average for Virgin River to 166% for Lake Powell Inflow. Santa Clara Creek is forecast 123% and Coal Creek 130% of the April-July average.

Peak flows are expected to range from near average to 50% above average in this area assuming normal melt temperature and precipitation.

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

TREAMFLOW FOREGASTS		THIS YEAR PAST RECORD			RECORD					
BASIN, STREAM and/or PORECAST POINT	POREC Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND A	Average \$	RIVER BASIN and at SUB-MATERSHED	Number of Courses Antropol	THIS YEAR AS	A PERCENT OF	
	Acre Feet		11200							
VIRGIN RIVER						COAL CREEK	3	50	90	
Virgin nr Hurricane Santa Clara nr Pine Valley	75 6.5		Apr-June Apr-June		63 5.3	VIRGIN RIVER	3	50	87	
COAL CREEK			·			PAROWAN CREEK	4	88	125	
Coal Creek nr Cedar City	24	130	Apr-July	22	18.4	ENTERPRISE - NEW HARMONY	2	35	37	
UPPER COLORADO						ESCALANTE RIVER	1	78	103	
Lake Powell Inflow	12400	166	Apr-July		7462	1 - Observed flow corrected for 2 - Inflow record as computed by 3 - Provisional flows - Subject a - Partly estimated b - Average of all past record e - Maximum mean daily peak flow + - 1961-80 20 year Average Per * - Forecast in cooperation with	U. S. B to Corre less th	ureau of Rec ction an 20 years	lamation	

RESERVOIR STORAGE (The	nsamé Acre Feet)				PEAK FLOWS ^e							
		Usable	USEABLE STORAGE				PEAK FLOW (SECOND FEET)					
BASIN OR STREAM	RESERVOIR	Capacity	This Year Last Year Average T		Average†	FORECAST POINT	Forecast Range	Average †				
COLORADO	Lake Powell Blue Mesa	25002.0 829.5	22013.0 494.6	22408.0 538.2	1 1	Coal Creek nr Cedar City Virgin nr Hurricane	300-400 1100-1400	220 1092				

NOW	THIS YEAR			PAST R	ECORD	SNOW		THIS YEAR	PAST RECORD		
DRAINAGE BASIN and/or SNOW COURSE			Weeser Content	Weter Content (inches)		DRAINAGE BASIN and/or SMOW COURSE	Date	Snew Death	Worer Centient	Weter Cent	ant (inches)
HAME	of Survey	(Inches)	(Inches)	Last Year	Average †	NAME	of Survey	(Inches)	(Inches)	Lost Toer	Average †
Birch Crossing Brian Head Harris Flat Kolob-Crystal Little Grassy Long Flat	1/30 1/28 1/28 1/27 1/27 1/27	28 51 20 42 2 13	7.0 15.8 4.5 13.7 0.4 3.6	7.1 18.3 10.4 23.6 3.1 8.2	5.0b 12.9b 6.0 15.5a 6.9a 7.1a	Long Valley Junction SUSC Ranch Tall Poles Webster Flat Yankee Reservoir	1/27 1/30 1/30 1/28 1/27	12 22 41 31 34	4.0 5.7 11.0 9.0 8.6	8.7 10.0 13.7 20.8 9.1	4.3 6.5b 9.1b 10.9 6.8b

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE Federol Bldg. - Room 4012 Solt Loke City, Utoh 84138

OFFICIAL BUSINESS
PENALTY FOF PRIVATE USE, \$300

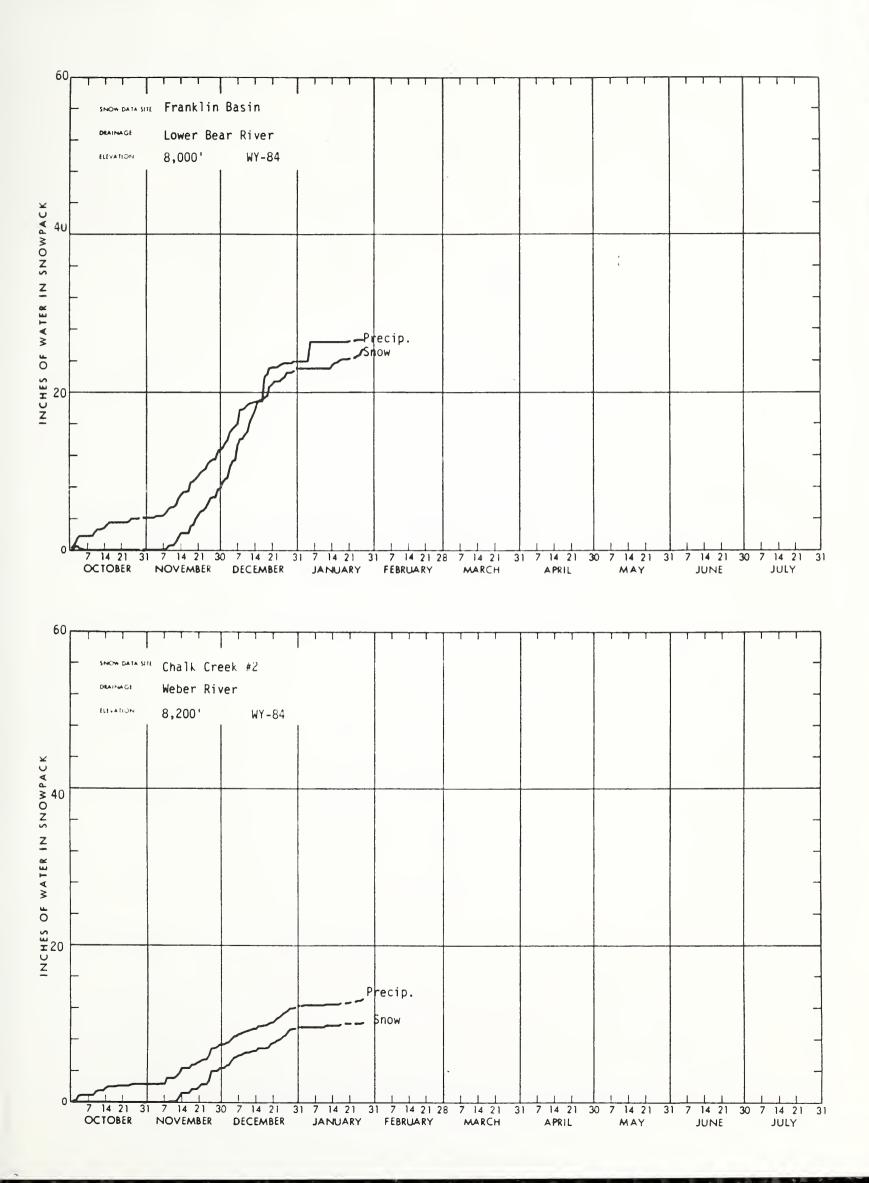
FIRST - CLASS MAIL POSTAGE AND FEES PAID USDA - SCS SALT LAKE CITY, UTAH PERMIT NO. G -267

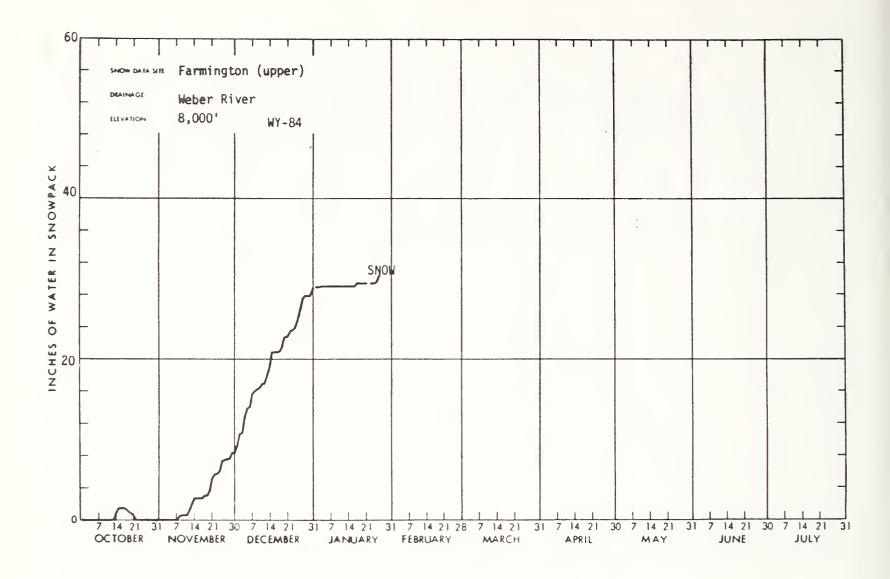
SNOW		THIS YEAR		1	RECORD	PRECIPI		(Inches			
DRAINAGE BASIN and/ar SNOW COURSE NAME	Dotte of Survey	Snew Depth (Inches)	Waser Content (Inches)	Lest Your	Average T	Date of Reeding	RENT INFORM. Menth's Precipitation	Average +	This Year	PPROX. OCT	Percent of Average
GREAT BASIN						i					
UPPER BEAR RIVER (Above Harer, Idaho)							:				
Burts-Miller Ranch CCC Camp Hayden Fork Monte Cristo R.S. Salt River Summit Stillwater Camp	1/30 1/30 1/30 1/28 1/30 1/30	20 37 42 66 42 32	6.0 9.6 11.3 24.9 11.4 9.1	2.4 6.6 7.8 12.6 7.8 5.0	4.3a 8.8a 10.4a 16.2 11.3a 7.4a	1/30 1/30 1/28 1/30 1/30	0.49 1.30 1.90 1.81 0.70	6.10 ^b 4.18	7.89 17.86 23.37 14.31 12.11	17.12 11.35	136 126
Lily Lake LOWER BEAR RIVER (Below Harer, Idaho)	1/31	41	12.0	7.5							
Bug Lake Cub River R.S.	1/28 1/27	58 40	21.1	9.2	12.7ª 6.5	1/28	2.50		22.00ª		
Emigrant Summit Franklin Basin Garden City Summit Klondike Narrows Little Bear (lower)	2/1 1/27 1/27 1/27 2/3	65ª 62 51 57 38	24.0a 22.9 17.0 19.5 13.2	16.2 13.0 8.8 10.9 7.0	17.0 16.6 ^a 11.9 13.4 7.4 ^a	1/27 1/27 1/27	3.30a 1.98 1.74	4.27 5.49b	27.31 ^a 19.79 20.36	12.33 15.41b	160 132
Little Bear (upper) Slug Creek Divide Steep Hollow #1	1/29 1/30 1/27	44 42 91	15.7 13.4 33.1	8.0 9.7 22.6	8.4a 11.6 ^a 24.1 ^b	1/29	0.73		23.07		
Steep Hollow #2 Tony Grove Lake Tony Grove R.S. Willow Flat	1/27 1/27 1/27 1/27	71 94 49 59	25.2 34.1 15.8 19.8	15.7 19.5 6.9 9.0	17.5 25.2 ^a 8.8 11.1	1/27 1/27 1/27	0.30 ^a 1.27 2.15	3.56 ^b 5.00 ^b	29.92ª 20.87 25.28	11.18 ^b	187 167
OGDEN RIVER										-	
Beaver Creek-Skunk Creek Ben Lomond Peak Ben Lomond Trail Causey Dam Dry Bread Pond Sagebrush Flat	1/28 1/29 2/3 1/28 1/28	38 108 74 28 53 32	14.0 43.3 26.4 19.0 9.1	7.5 25.5 13.4 10.0 3.4	8.5 23.5b 10.5a	1/29 2/3 1/28 1/28 1/28	1.10 1.41 0.82 2.30 1.00	7.56b 2.56b 3.50b 2.59b	44.10 33.15 14.58 21.72 12.77	20.51 ^b 9.49 16.96 ^b 9.49	162 154 128 135
WEBER RIVER						1 7,20		2103	12.,,	3.43	155
East Shingle Lake (A) Beaver Creek R. S. Chalk Creek #1 Chalk Creek #2 Chalk Creek #3 Farmington Canyon (lower) Farmington G.S. Horse Ridge Kilfoil Creek Lost Creek Reservoir Park City Summit Parley's Canyon Summit Redden Mine (lower) Smith & Morehouse Hardscrabble Pine Canyon	1/31 1/30 1/30 1/30 1/26 1/26 1/26 1/26 1/26 1/26 1/27 1/30 1/30 1/26 1/26	29 55 39 26 83 97 81 65 47 28 72 62 47 39 70 58	8.6 18.1 11.8 7.8 29.1 35.0 28.4 ^e 21.8 14.9 7.9 30.0 20.4 15.6 12.5 24.0 20.5	5.4 13.6 8.7 4.6 15.2 20.4 11.4 7.9 3.0 26.4 10.8 11.3 8.5 10.6 10.9	6.0 14.6a 9.5 5.4 14.3b 19.2b 15.2a 10.2a 4.5a 19.2a 12.3 11.3a 8.8	1/30 1/30 1/30 1/26 1/26 1/26 1/26 1/26 1/27 1/30 1/30	1.20e 0.80e 0.87 2.45 2.40e 2.43 1.85 0.72 1.41 1.05 0.99	2.28b 5.22b 4.25b 4.31	19.90° 13.20° 15.02 28.80 30.10 25.71 12.32 22.26 12.79 15.19	9.44b 18.36 17.37b 14.80	159 157 150 128
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide Clear Creek Ridge #1 Clear Creek Ridge #2 Clear Creek Ridge #3 Hobble Creek Summit Payson R.S. Soapstone R.S. South Fork R.S.	1/31 1/31 1/31 1/31 1/26 1/26 1/31 1/30	38 50 40 29 49 57 39	11.1 18.7 14.9 9.0 17.9 20.6 10.5	6.8 12.0 9.7 6.0 9.2 13.7 6.2	9.1a 12.4a 9.6b 5.5b 9.8a 12.0	1/31 1/31 1/31 1/26 1/26 1/31	0.50 ^e 1.00 ^e 0.78 1.40 ^e 1.77 0.80	3.30 3.39	18.59	 10.87 ^b 14.47 12.04 11.16	 154 148
Timpanogos Divide Trial Lake	1/30 1/30 1/31	49 56	10.6 16.8 19.9	8.7 20.7 14.8	4.8 16.9 15.9	1/30 1/31	1.50 ^e 0.93	4.97 4.71		17.43 16.20	119 138
L-BCL-FORTLAND, GE, NFF M7-Q-22027 Q										•	1956-1972 period

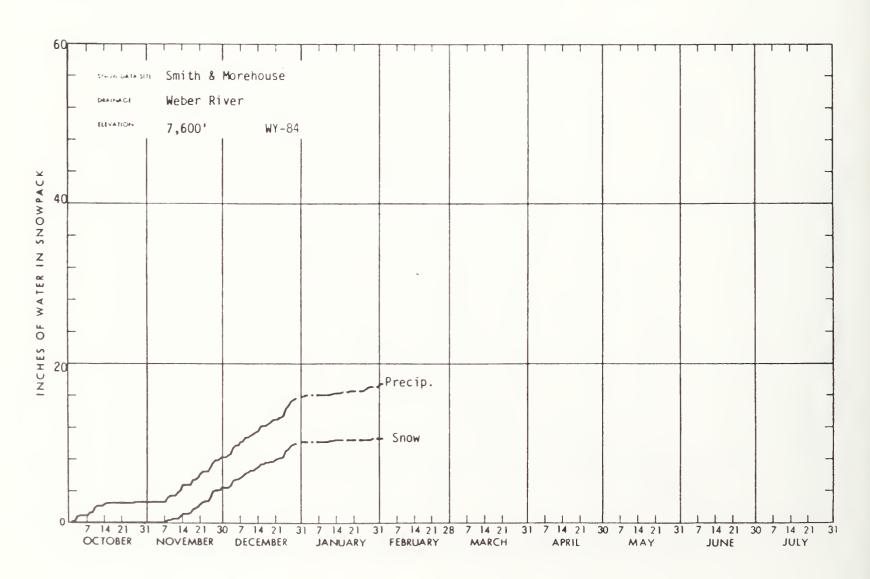
NOW									PRECIPITATION (Inches) CURRENT INFORMATION FROM APPROX. OCT 1 TO DATE								
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Dradi (Inches)	Waser Centant (Inches)	Water Centr	Average †	Dots of Reading	Menth's Precipitation	Average +	This Year	Average +	Percent of Average						
JORDAN RIVER & GREAT SALT LAKE																	
Lamb's Canyon #2 Mill Creek Mill D South Fork Rocky Basin-Settlement	1/27 1/26 1/30 2/1	54 60 57 84a	18.1 18.9 20.2 31.1a	10.2 11.2 12.6 24.6	10.7ª 15.0ª 12.7	1/27	0.85 5.70a		16.09 31.10 ^a								
Silver Lake (Brighton) Snow Bird (Gad Valley) Vernon Creek Desert Peak	1/30 1/26 2/1 2/1	67 99 44a 75a	24.9 36.6 13.8 ^a 27.6 ^a	16.8 31.0 11.8 19.9	15.6 239a 7.3a	2/1 2/1	1.30 ^a 5.30 ^a		16.70a 27.60a								
COLORADO RIVER DRAINAGE																	
UPPER GREEN RIVER - UTAH								:									
Black's Fork G.SEast Fork Black's Fork Junction Burnt Creek Grizzly Ridge Hewinta G.S. Hickerson Park King's Cabin (upper) Spirit Lake Steel Creek Park Trout Creek	1/31 1/31 1/27 1/27 1/31 2/2 2/1 1/31 1/31 2/1	32 33 20 29 33 27 32 32 48 28	9.0 9.1 4.1 7.2 8.9 7.7 9.1 9.0 14.6 7.1	4.1 4.2 4.9 10.3 4.9 9.8 9.3 10.5	6.4a 6.6a 3.8a 6.6a 6.4a 5.8a 6.1a 8.1a 9.1a	1/31 1/31 1/27 1/27 1/31 2/2 2/1 1/31 1/31 2/1	0.87 0.82 0.40 1.00 0.95 0.45 0.75 0.75 1.10a 0.62	1.69b 2.44b 	11.53 11.50 10.20 12.30 12.55 7.80 11.43 10.85 14.60 ^a 7.95	6.09b 8.75b 9.24	167 141 124 						
DUCHESNE RIVER		1															
Brown Duck Ridge Chepeta Currant Creek Daniels-Strawberry Summit East Portal Indian Canyon Jackson Park Lakefork Mountain #1 Lakefork Mountain #3 Mosby Mountain Paradise Park Rock Creek Ranch Strawberry Divide	2/2 2/1 1/26 1/26 1/31 1/31 2/2 2/2 2/2 2/1 2/1 2/1 2/2 1/31	53 33 31 42 40 34 37 31 21 27 37 22 56	16.8 9.1 9.6 14.9 12.5 9.5 10.2 8.5 7.0 11.1 19.8	16.1 10.9 7.7 10.8 7.0 10.7 12.1 9.3 5.8 9.0 12.5 6.3 12.2	12.9a 7.8a 10.1 7.6 8.3 8.6a 7.0 4.5b 6.4 8.8 4.5a 12.6	2/2 2/1 1/26 1/26 1/31 1/31 2/2 2/2 2/1 2/1 2/2 1/31	0.70a 0.70a 0.90a 0.80a 1.16 0.49 0.50a 0.40 0.65 0.61 0.40 1.00a	3.59 3.34 2.41 2.28b 2.39b	17.39a 10.90a 13.10a 16.75a 18.83 11.62 12.87 11.39 11.12 11.24 10.29 23.20a	12.03 11.14 8.69 8.68 8.87 9.36	139 169 134 131 125 120						
PRICE RIVER																	
Dry Valley Divide Alternate Mud Creek White River #1 White River #3	1/31 1/31 1/31 1/31	36 45 42 31	12.8 15.5 15.1 9.7	5.5 9.3 9.2 5.8	8.4a 9.1 9.0a 7.0a	1/31 1/31	0.51 0.73	2.70	17.02 15.27	9.20	185						
SAN RAFAEL RIVER					İ												
Buck Flat Huntington-Horseshoe	1/30 1/31	53 66	19.7 27.5	15.5 18.5	10.5 15.2ª	1/30	1.60		20.55	11.29 ^b	182						
Orange Olsen Red Pine Ridge Seeley Creek R.S. Stuart R.S. Upper Joe's Valley Wrigley Creek	1/30 1/30 1/30 1/30 1/30 1/30	24 54 52 35 38 39	6.5 19.6 20.9 10.9 12.1 12.8	5.9 13.0 13.3 6.1 8.3 9.2	2.8 ^a 10.6 9.1 ^a 6.1 ^a 6.7 6.8 ^b	1/30 1/30 1/30 1/30	0.41 0.80a 1.50a 0.40a	 	9.78 21.80 ^a 23.50 ^a 14.63 ^a		171						
MUDDY RIVER																	
Black's Fork Dill's Camp	1/30 1/29	43 39	14.3	10.8	8.8a 8.0a	1/29	1.20		16.42								
			,														
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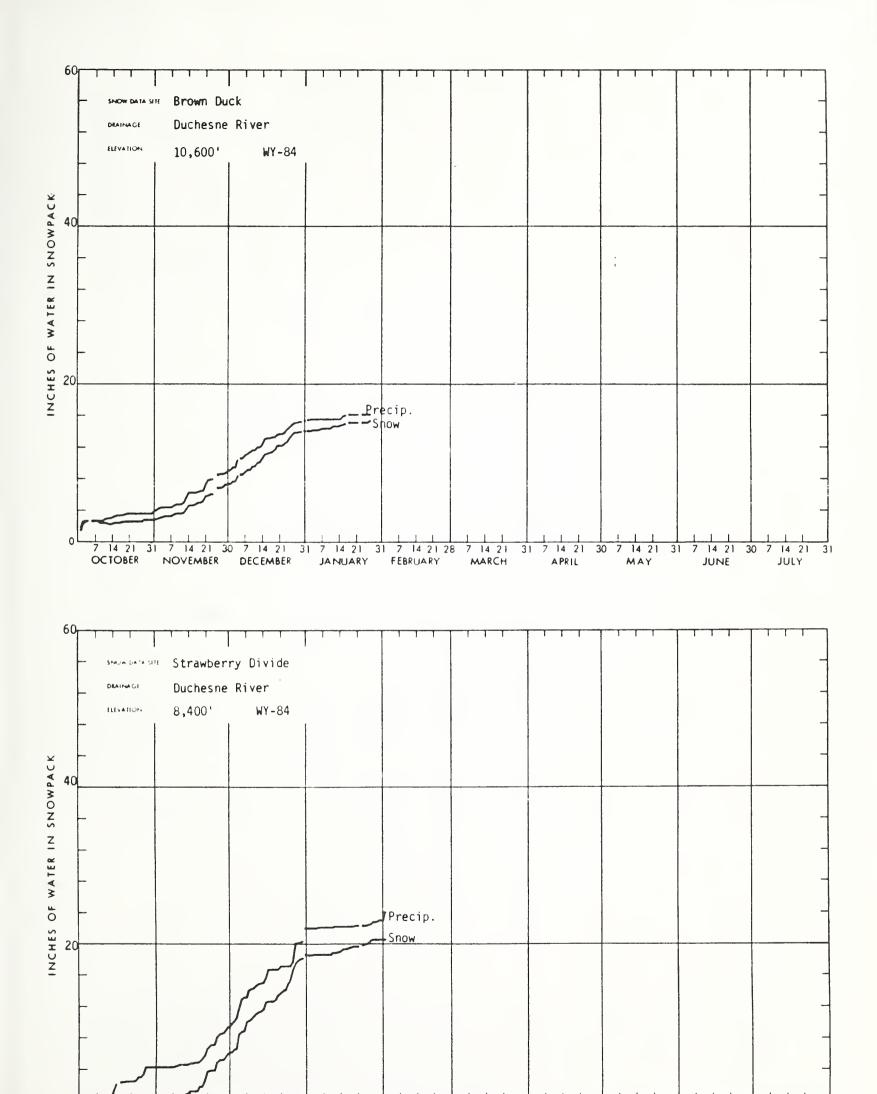
WONS		THIS YEAR			RECORO									
ORAINAGE BASIN and/or SNOW COURSE NAME	Ocea of Survey	Snow Ownth (Inches)	Water Centent (Inches)	Last Year	Average †	Date of Reading	Manch's Procipitation	Average +	This Year	Average	Percent of Average			
FREMONT RIVER	Ì				Ī									
Black's Flat-U.M. Creek Fish Lake Johnson Valley	1/29 1/29 1/29	38 36 33	11.7 10.7 9.8	8.1 8.0 6.0	7.8a 5.7a 5.4a	1/29	1.03 0.30a		13.21					
SOUTHEASTERN UTAH DRAINAGES								;						
Buckboard Flat Camp Jackson LaSal Mountain (lower) LaSal Mountain (upper) Monticello City Park	1/31 1/31 1/30 1/30 1/31	32 31 32 45 6	9.1 9.3 9.3 13.4 2.2	10.9 13.2 9.6 15.1	10.2a 11.3a 6.5a 10.5a 3.8a	1/31 1/31 1/30	1.45 1.45 3.78		15.22 12.83 16.86					
UPPER SEVIER RIVER (South of Richfield, Utah)														
Box Creek Bryce Canyon Castle Valley Duck Creek R.S Harris Flat Kimberly Mine Midway Valley Panguitch Lake Squaw Springs	1/29 1/31 1/28 1/28 1/28 1/27 1/28 1/27 1/29	44 16 36 29 20 50 43 18 31	14.0 2.7 10.7 6.9 4.5 14.6 12.8 4.5 7.8	11.8 6.8 13.9 15.2 10.4 10.6 23.7 9.0 7.4	8.4a 3.3 6.8a 9.0 6.0 10.2b 13.3 3.7 5.0a	1/29 1/28 1/28 1/28 1/27 1/27	1.15 1.41 1.37 1.00a 2.12 0.72	2.87 3.31b	15.02 14.26 13.87 7.32a 17.22 7.54	10.90	127			
LOWER SEVIER RIVER (Including San Pitch River)														
Beaver Dams Farnsworth Lake G.B.R.C. Headquarters G.B.R.C. Meadows Gooseberry R.S. Mammoth-Cottonwood Creek Mt. Baldy R.S. Oak Creek Pickle Keg Springs Pine Creek Ree's Flat Shingle Mill Gooseberry Reservoir	1/30 1/29 1/30 1/30 1/29 1/30 1/30 1/26 1/30 1/26 1/31	42 54 53 61 37 64 71 44 51 61 43 34	13.3 18.1 18.8 23.3 11.6 25.1 24.8 12.8 18.1 20.6 13.8 10.9	8.7 13.2 12.4 19.7 8.0 15.3 20.3 14.4 13.4 16.2 12.9 7.7	8.1a 11.6 10.1 13.7 7.4 13.5 14.2a 8.4a 9.8a 9.4a 8.2a 5.9b	1/30 1/29 1/30 1/30 1/29 1/30 1/30 1/26 1/30 1/26 1/31 1/31	0.83 1.00 ^a 1.11 1.53 0.84 0.80 ^a 1.50 ^a 1.21 1.60 ^a 2.00 1.23 1.00	3.09 2.98 3.84 2.45b 3.84 2.10b 3.71	19.01 15.75 19.21 21.78a 13.72 25.10a 17.31a 17.58 21.08a 25.84 16.83 16.75 22.30	7.49b	135 167 156 183 203 163 184			
BEAVER RIVER														
Beaver Race Track Big Flat Merchant's Valley (upper) Otter Lake	1/31 1/27 1/27 1/27	0 60 44 48	0.0 21.5 14.1 16.0	0.3 15.1 12.6 12.1	10.6 8.0 ^b 8.0	1/27 1/27	1.10 0.97		21.50 ^a 15.80	9.93 9.18	217 172			
PAROWAN CREEK														
Birch Crossing Brian Head Tall Poles Yankee Reservoir	1/30 1/28 1/30 1/27	28 51 41 34	7.0 15.8 11.0 8.6	7.1 18.3 13.7 9.1	5.0b 12.9b 9.1b 6.8b	1/30 1/27	1.75 1.90	2.20b	11.65 9.75	9.48b	123			
ENTERPRISE TO NEW HARMONY DRAINAGES														
Little Grassy Creek Long Flat	1/27 1/27	2 13	0.4	3.1 8.2	5.4a 5.5a	1/27 1/27	0.57 0.70		10.52 4.58					
COAL CREEK														
Cedar City Golf Course SUSC Ranch	1/30 1/30	0 22	0.0	0.1 10.0	6.5b									
M-KIS-POSTRAMD, GB, 1007 M7-0-22027 D														

SNOW		THS YEAR			ECORD	PRECIPI		(Inches)			
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	tless Contint (Inches)	Last Year	Average †	Date of Reading	RENT INFORM Mench's Precipitation	ATION +	FROM AF	PROX. OCT I	Percent of Average
											2.206
ESCALANTE RIVER											
Widtsoe-Escalante #3	1/28	32	7.2	9.5	7.0	1/28	0.74	1.58	10.79	7.59	142
VIRGIN RIVER											
Kolob-Crystal	1/27	42	13.7	23.6	15.5ª	1/27	2.00a		20.26a		
Long Valley Junction Webster Flat	1/27 1/28	12 31	4.0 9.0	8.7 20.8	4.3	1/28	1.99	3.48			
	1/20	31	3.0	20.0	10.9	1/28	1.99	3.46	13.99	11.62	120
a - Partly Estimated											
b - Average of past record in + - 1961-80 20 year average p	average	period -	less ti	an 20 ye	ars						
(A) - Aerial Marker Reading	erioa										
	!										
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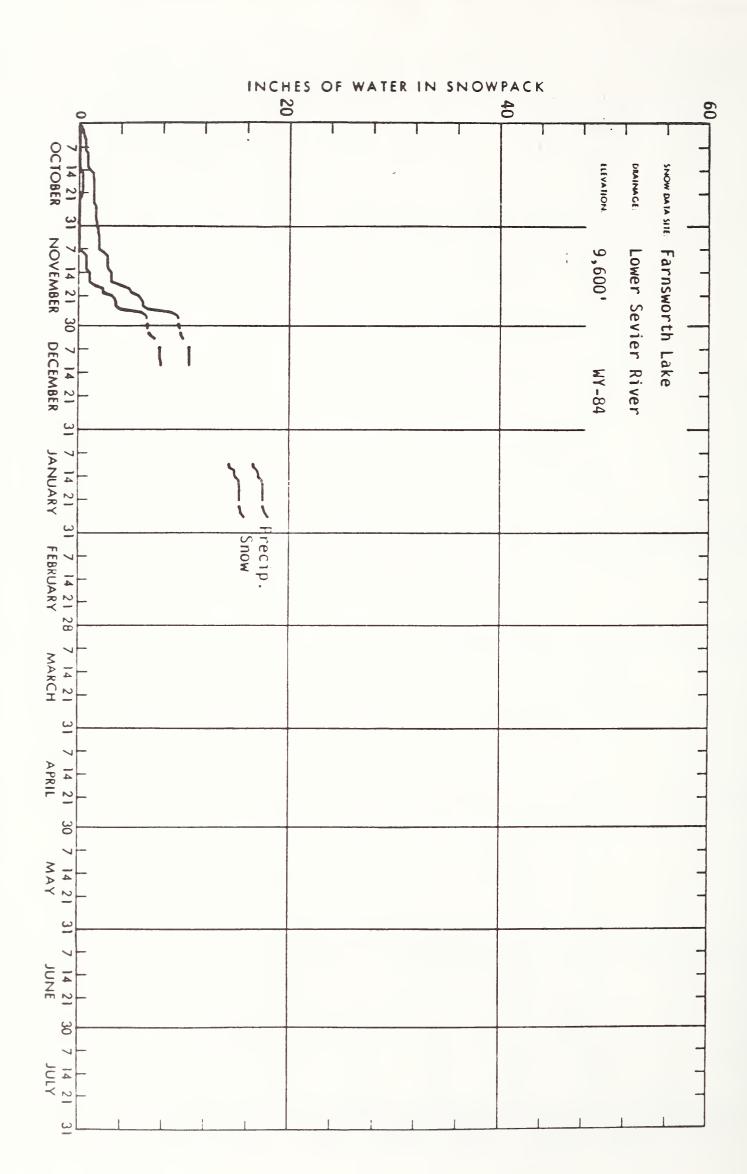


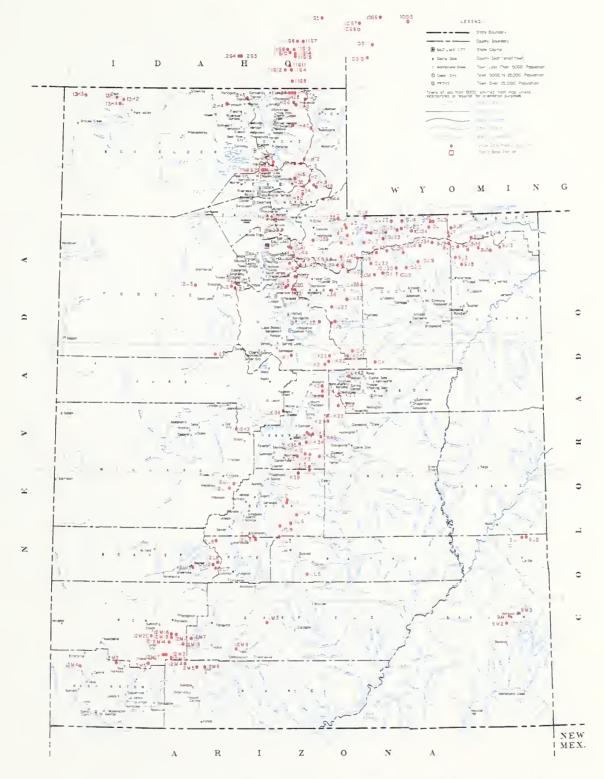
7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21

NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE

30 7 14 21 JULY

7 14 21 OCTOBER







SNOW COURSES AND RELATED DATA MEASURING SITES UTAH



SGS Nations Alone 200, 200 Albert Spin whose projection 1967 cannot be revised or below was and solutions or SGS case.

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

REAT BASIN DRAINAGE

Elevation	10,840 10,600 10,350 8,000 8,000 7,560 11,000 11,000 11,100	10,200	10,500 10,100 7,900 10,150 8,400 9,480	8,100 8,600 8,550	7,400	9,400 8,700 9,800 7,200 9,200	7,950 8,900 9,000		9,200		9,400 9,800 8,700 8,850	9,000	8,600 8,800 9,850 7,050	9,500	9,250 7,500 9,200		
Range	4W 6W 11W 12W 6E 5W 10E 4W 3W 7W	5W 4W	88W 1E 7W 8W 12W	7E 7E 8E	ม อ	9 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	7E 6E 5E		4E 4E		36 16 26	22E	22E 24E 24E 23E	¥1	11W 6W 9W		
Township	2N 2N 2N 2N 2N 2N 2N 2N 2N 2N 2N 2N 2N 2	N N	X X X X X X X X X X X X X X X X X X X	115 145 105	50	195 138 148 175 165 175	155 165 195		205 205		24S 30S 265 255	335	34S 27S 275 335	345	385 385 375		ಳ
Section	2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3					23 23 31 25 25 27 27					33 35 24		22 22 25 25 25 25 25 25 25 25 25 25 25 2	22	22 22 20 20 20 20 20 20 20 20 20 20 20 2		arkor. Ion Gage. Id Temperatur
Name	OUCHESNE RIVER Avood Like Brown Duck Ridge Curant Creeps Shawbinierocks, Lakes Curant Creeps Strawberry Summit Frive Forti Lake Jackson Park Ardinar Lake Lakeford Park Lakeford Basin	Lakefork Mountain Lakefork Mountain No. 3	Suptimes also Mountain Andrews Mouth Mountain Mountain Mountain Mountain Rock Creek Strawberry Divide Wast Fork of the Duchesne PRICE RIVER	Dry Valley Divide Alternate Mud Creek White River No. 1	Wille RIVER SAN RAFAEL RIVER	Buck Flat Goosberry Reservoir Huntington-Horssahoe Orange Olsen Seeley Cirosk	Stuart R. S. Upper Joe's Valley Wrigley Creek	MUDDY RIVER	Black's Fork Dill's Camp	FREMONT RIVER	Black's Flat-U. M. Creek Donkey Reservoir Fish Lake Johnson Valley SOUTHEASTERN UTAH DRAINAGES	Buckboard Flat	Camp Jackson LaSa Mountain LaSal Mountain (Upper) Monticello Park	ESCALANTE RIVER Widtsoe-Escalante No. 3	VIRGIN RIVER Kolob-Crystal Long Valley Junction		LECEND Numbering System (example) (10.7) Snow Course and Precipitation Gage. (10.7) Snow Course and Sestimative Station. (10.7) Snow Course and Sestimative Station. (10.7) Snow Course and Sestimative Station. (10.7) Snow Course Sestimative Station and Precipitation Gage. (10.7) A Snow Course Sestimative Station and Precipitation Gage. (10.7) Snow Course Precipitation Gage Conty. (10.7) Snow Course, Precipitation Gage. (10.7) Snow Course, Precipitation Gage. (10.7) Snow Course, Precipitation Gage Snow Pillow and Temperature.
State	222232223	: C C		2225	0	22222	222		55		כבככ	=	,,,,,,	Э	222		
Number	10.41.00 10.13065T 9.0965T 11.1328M95T 11.1238M95T 11.176 10.176 10.176 10.196 10.196 10.196 10.196 10.196 10.196	10012	935851 935851 103851 103851 113857 11385	11K42P 11K33MP 10K2MPST	67411	11K31PST 11K4 11K5P 11K5P 11K28PST 11K28PST	11K27P 11K29 11K32		11K15PST		1114PST 1115 1113P 1116	9M1P	9M2P 9L1 9L2PSTT 9M3	11M3PST	13M5PST 12M6 12M3MPST		
Elevation	6,450 7,500 7,500 7,400 8,725 9,700 7,500		9.300 8,000 8,700 11,700 9,300 9,800	3,300	8,000 9,600 8,700	10,000 8,800 9,600 7,760	8,700 7,300 6,200		6.020 10.290 8.750	2,600	8,100 10,000 8,800 8,700		6,100	5.800			10,500 8,925 8,925 7,900 10,000 10,250 10,250 8,300 8,300 8,650 10,400 10,100 10,100
Range	74% 3386 3386 3386 3386 3386 3386 3386 338		2W 8W 7W 9W 1E 7W 9W 9W 9W	M.Z	3E 4E	26 26 30 30 30 40 40 40 40 40 40 40 40 40 40 40 40 40	4 2 8 6 ¥ ⊞ ¥ E	J	4W 5W	244	W6 8 W8 8 W8		18W 14W	W11 W6			196 176 176 176 176 176 176 176 176 176 17
Township	45 45 45 15 45 25 25 25 25 35 105		265 365 365 385 385 255 275 375	275	195 235 175	175 235 135 185 175 215	225 158 188		29S 29S	567	355 355 355		385	36S 37S			2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Section	24 15 21 21 25 18 30 31 21 21	tah)	33 36 23 11 24 36 11 26 4 & 5	s (iver)	22 34 21	27 21 13 19 19	20 20		23	71	23 10 26 & 35 20	U.	14	111		esne River)	25 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Name	Bevan's Cabin Descript Peak Lamb's Canyon No. 2 Middle Canyon No. 2 Mill Creek Mill O South Fork Rocky Barn Settlement Canyon Since Lake (Brighton) Sincy Bud (Gat Valley) Vernon Creek	UPPER SEVIER RIVER (South of Richfield, Utah)	Box Creek Box Creek Box Creek Castle Valley Castle Valley Harris Fla R.S. Harris Fla Kimberly Mine Kimberly Mine Pangurch Lake	Squaw Springs LOWER SEVIER RIVER (including San Pitch River)	Beaver Oam Fansworth Lake G. B. R. C. Headquarters	Gooseberry R. S. Mammoth R. S Cottonwood Greek Middle Foul S Cottonwood Greek Mr. Baldy R. S. Polic Creek Pickle Key Springs	Pro Creek Rees's Flat Rees's Flat Thurst Elst	8EAVER RIVER	Beaver Race Track Big Flat Micchant's Valley (upper)	Offer Lake	PAROWAN CREEK Birch Crossing Brizh Head Tall Poles Yankee Reservoir	A TO A MAD A	Little Grassy Greek Long Flat	COAL CREEK Cedar City Golf Course 5USC Ranch	RAINAGE	UPPER GREEN RIVER IN UTAH (above Ouchesne River)	Abley Twin Lakes Back's Fook Back's Fook Back's Fook Back's Fook Junction Back's Fook Junction Back's Fook Back's
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Name	UPPER BEAR RIVER (above Harer, Idaho) By Park Burts-Miller Ranch CCC Campa. Hayden Fork Killy Lake Killy Lake Killy Ranger Station Cristo R. S. Roint Maddowls X. Sali River Summit X. Stillwater Camp	LOWER SEAR RIVER (below Harer, Idaho)	Hug Lake Christensen Ranch Christensen Ranch Christensen Mountam Christen Mountam Christen Mountam Christen Mountam Christensen Range's Station O'Y Creek Falt Emigrant's Summit Emigrant's Summit Emigrant's Summit Emigrant's Summit Christensen Ranch Christensen Ranch Christensen Ranch	Garden City Summit Herd Hollow Horseshoe Basin Klondike Nirrows i herb, Sonnot	Little Bear (lower) Little Bear (upper) Oxford Mountain	Step Creek Divide Step Hollow No. 2 Strawberry Mink Duide Tony Grove Lake Tony Grove Lake Tony Grove Lake	Willow Hat RAFT RIVER	Clear Creek Meadows George Peak	ViPont	OGOEN MIVER	Beaver Creek-Skunk Creek Ben Lomond Prair Causay Dam Causay Dam Guider's Peak Sagebrush Flat	W 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Beaver Creek R. S. Chalk Greek No. 1 Chalk Greek No. 2	Chalf Creek No. 3 East Shingle Lake Farmington Canyon (upper) Francis Canyon (upper)	Handsdable Horse Ridge Kifoli Creek Lost Greek Park City Summit Parksy's Canyon Summit	Porcupine Redden Mine (lower)	Surgaan Labas Surgaan Labas PROVO RIVER & UTAH LAKE Beaver Creek Duvide Clear Creek Ridge No. 1 Clear Creek Ridge No. 3 Clear Creek Ridge No. 3 Clear Creek Ridge No. 3 Clear Creek Summit Payson R. S. South Perk R. S. South Perk R. S. South Perk R. S. Timpanogo Cave Camp Timpanogo Duvide
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Agencies Cooperating

in Utah Snow Surveys

U. S. GOVERNMENT AGENCIES

- U. S. Department of Agriculture Soil Conservation Service Forest Service
- U. S. Department of Commerce NOAA, National Weather Service
- U. S. Department of Interior
 Bureau of Reclamation
 Geological Survey
 National Park Service

STATE AGENCIES

Utah State University
Utah State Department of Natural Resources
Division of Wildlife Resources
Division of Water Resources
Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Central Utah Conservancy District
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association
Weber River Water Users Association
Weber Basin Conservancy District

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domestic and municipal water supply, hydro-electric power water supply for irrigation, necessary for forecasting Furnishes the basic data generation, navigation mining and industry "The Conservation of Water begins with the Snow Survey"

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